

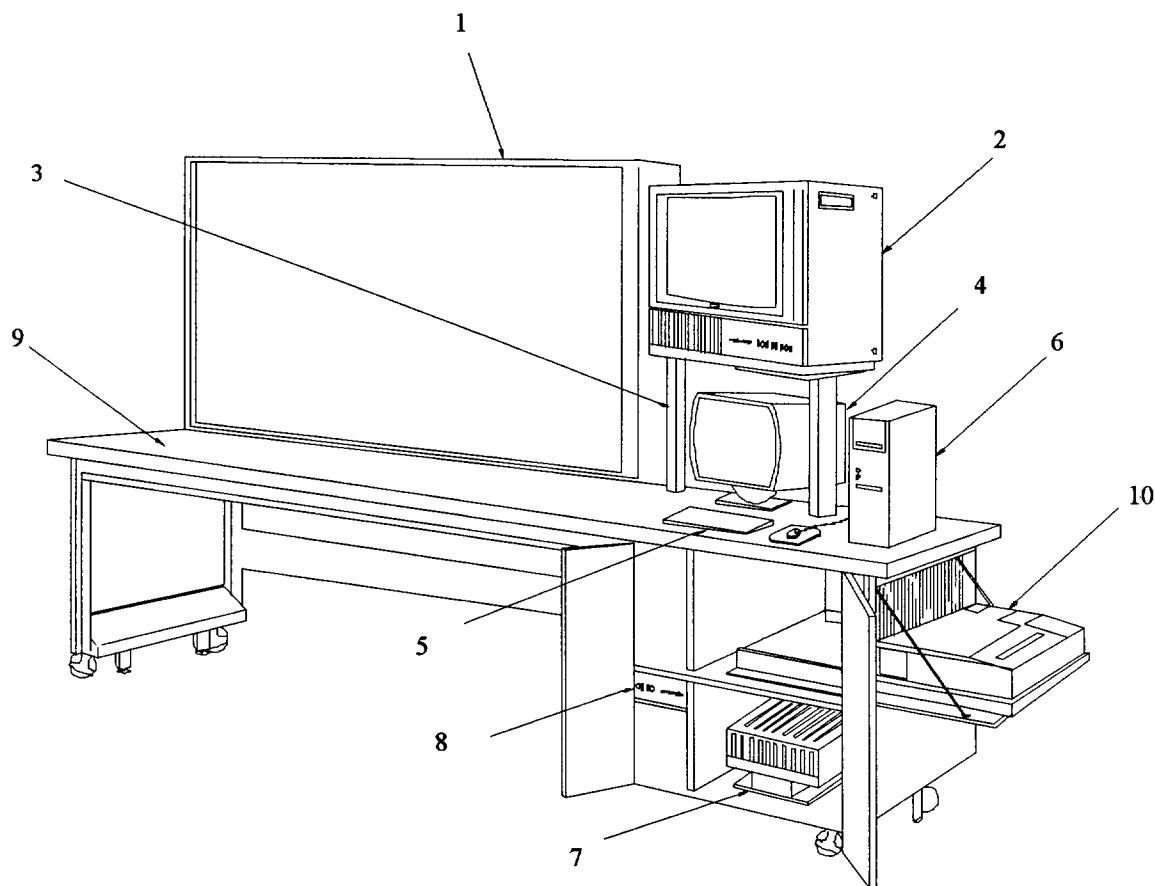
SUMMARY OF LVT7A1 ORG LEVEL MAINTENANCE TRAINER

JULY 1998

Device 11H90

NAVAL AIR WARFARE CENTER
TRAINING SYSTEMS DIVISION

ORLANDO, FLORIDA



TRAINING CATEGORY:

Maintenance Training (Misc)

ORIGINATING AGENCY:

CMC

SECURITY CLASSIFICATION OF DEVICE:

Device 11H90 is unclassified

PURPOSE OF DEVICE:

Develop proficiency in LVT7A1 Electrical, STE/ICE and Hydraulic system maintenance.

INTENDED USE:

The LVT7A1 Electrical/Hydraulic and STE/ICE System simulation models are used to support maintenance training for the LVT7A1 Vehicle.

FUNCTIONAL DESCRIPTION:

The trainer consists of 12 student stations and 18 simulation model display panels. Student station components provide power, simulation data transfer to the display panel and video with graphics, motion, or text. Each student station is composed of the following components:

- (1) Simulation Model Display Panel
- (2) Videodisc Monitor
- (3) Connector Mast Assembly
- (4) Computer Monitor
- (5) Keyboard
- (6) Multimedia Pentium Computer
- (7) Expansion I/O Chassis
- (8) Circuit Breakers/Hour Meter
- (9) Work Surface
- (10) Videodisc Player

Two different display panels can be mounted separately on the simulator console. One is the LVT7A1 Electrical/Hydraulic Systems Panel(PN: 910223010-009). The other is the LVT7A1 STE/ICE and Power Plant Panel (PN: 910225010-009).

The simulation program is controlled and operated from a multimedia Pentium computer. When the simulation program is loaded and the display panel connected, the operator uses controls and indicators of the simulated system to practice and/or demonstrate techniques of system operation and/or maintenance. Visuals are used to enhance the simulation. The videodisc contains visuals of system components, word messages describing system malfunctions, trainer-peculiar information, and warnings or cautions. Selected audio cues are presented using the speakers to support some operation sounds and malfunction symptoms.

PHYSICAL INFORMATION:

Each Student Station 10' x 3' x 6'
Each Electric/Hydraulic Panel 6' 4" x 3' 4"
Each STE/ICE Panel 6' 4" x 3' 4"
Computer Room 25' x 25' (Contains 12 Student Stations, 12 Electrical/Hydraulic Panels and 6 STE/ICE Panels)

EQUIPMENT REQUIRED (Not Supplied):

A VOM multimeter is required for checking display panel wiring.

POWER REQUIREMENTS:

120VAC, Single Phase, 60 Hz, 15 Amps per Student Station

PUBLICATIONS FURNISHED:

Operations & Maintenance Manual, LVT7A1 Electrical/Hydraulic, STE/ICE & Power Plant Simulation Model (NAWCTSD P-7386) (U)

Commercial Off-The-Shelf (COTS) Manuals (NAWCTSD P-7387) (U)

Instructor's Guide (NAWCTSD P-7388) (U)

PERSONNEL:

Instructor - One qualified classroom instructor trained in operating the simulated system.

Trainees- One student LVT mechanic per Student Station.

Maintenance Personnel - Maintenance personnel should have experience using common tools and test equipment and be experienced in operating computer controlled systems of similar complexity.

CONTRACT IDENTIFICATION:

Manufactured by Educational Computer Corporation, Orlando, Florida, under NAVAIRWARCENTRASYS DIV contract No. N61339-83-C-0033.

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